

WELL NAME

Amigo #1-31

COMPANY

American Warrior Inc

LOCATION

31-33s-32w

Seward co Kansas

DATE

11/29/00

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior Inc.

DATE 11-21-00

WELL NAME: Amigo #1-31

KB 2688.00 ft

TICKET NO: 12766

DST #1

LOCATION : 31-33s-32w Seward Co Ks

GR 2678.00 ft

FORMATION:

INTERVAL : 4963.00 To 5032.00 ft

TD 5032.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058		2346			PF Fr. 0100 to 0130 hr
SI 60 Range(Psi)	4500.0	0.0	4995.0	0.0	0.0	IS Fr. 0130 to 0230 hr
SF 30 Clock(hrs)	12		alpin			SF Fr. 0230 to 0300 hr
FS 60 Depth(ft)	5027.0	0.0	4964.0	0.0	0.0	FS Fr. 0300 to 0400 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2461.0	0.0	0.0	T STARTED 2110 hr
B. First Flow	0.0	0.0	43.0	0.0	0.0	T ON BOTM 1257 hr
Bl. Final Flow	0.0	0.0	188.0	0.0	0.0	T OPEN 0100 hr
C. In Shut-in	0.0	0.0	1534.0	0.0	0.0	T PULLED 0400 hr
D. Init Flow	0.0	0.0	193.0	0.0	0.0	T OUT 0810 hr
E. Final Flow	0.0	0.0	305.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1533.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2364.0	0.0	0.0	Tool Wt. 4000.00 lb
Inside/Outside	i		o			Wt Set On Packer 26000.00 lb
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 86000.00 lb
						Unseated Str Wt 87000.00 lb
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 645.00 ft
						D.P. Length 4337.00 ft

RECOVERY

Tot Fluid 570.00 ft of 570.00 ft in DC and 0.00 ft in DP
570.00 ft of mud cut water 85%water 15%mud

0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 28000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

1/4" @ open built to 8"

Initial Shutin:

No return

Final Flow:

Surface blow in 2 minutes built to
2 1/2"

Final Shutin:

No return

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type chem
Weight 9.10 lb
Vis. 51.00 S^{1/2}
W.L. 10.00 i
F.C. 0.00 i
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 116.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 i
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Shane McBride
Co. Rep. Ron Nelson
Contr. Cheyenne
Rig # 3
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Amigo #1-31

LOCATION : 31-33s-32w Seward Co Ks

TICKET No. 12766 D.S.T. No. 1 DATE 11-21-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 96

D.C. ABOVE TOOLS.Stands12 Single Total 645

D.P. ABOVE TOOLS.Stands68 Single 1 Total 4306

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5047

TOTAL DEPTH 5032

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

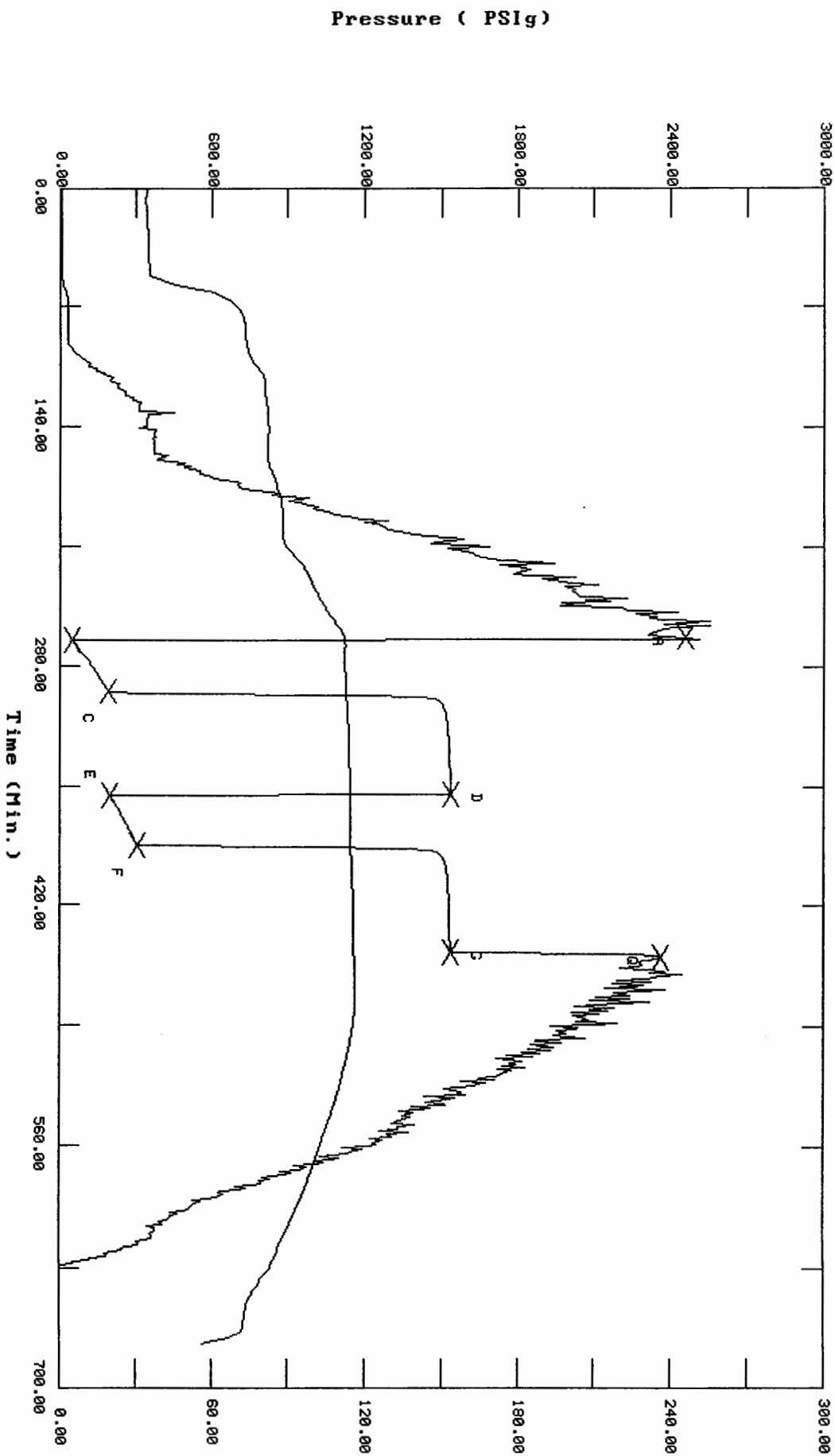
P.O. SUB	
C.O. SUB 1'	4935
S.I. TOOL 5'	4941
HMV 5'	4946
JARS 5'	4951
SAFETY JOINT 2'	4953
PACKER top	4958
PACKER bottom	4963
DEPTH 4963	
1'	4964
ANCHOR alpine recorder	4964
30' perf	4994
1' c.o.	4995
31' drillpipe	5026
1' c.o.	5027
ak-1 recorder	5027
BULLNOSE 5' bullplug	5032
T.D.	5032

12766 DST #1 Amigo 1-31 American Warrior Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A:	0.00	2461.27
B:	0.00	43.26
C:	30.00	188.90
D:	60.00	1534.61
E:	0.00	193.83
F:	29.00	305.52
G:	62.00	1533.39
H:	0.00	2364.22



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12766

Well Name & No. <u>Amigo #1-31</u>	Test No. <u>#1</u>	Date <u>11-21-00</u>
Company <u>American Warrior Inc.</u>	Zone Tested _____	
Address <u>P.O. Box 399, Garden City, Ks 67846</u>	Elevation <u>268'</u>	KB <u>268'</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Cheyenne #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>31</u>	Twp. <u>33s</u>	Rge. <u>32w</u> Co. <u>Seward</u> State <u>Ks</u>
No. of Copies <u>Norm</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4963</u>	<u>5032</u>	Initial Str Wt./Lbs. <u>86,000</u>	Unseated Str Wt./Lbs. <u>87,000</u>
Anchor Length _____	<u>69'</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>100,000</u>
Top Packer Depth _____	<u>4958'</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth _____	<u>4963'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth _____	<u>5032'</u>	Wt. Pipe Run _____	Drill Collar Run <u>645'</u> H-90
Mud Wt. <u>9.1</u> LCM <u>#6</u> Vis. <u>51</u> WL <u>100</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4337'</u>
Blow Description <u>1/4" @ open built to 8" w.</u>			
<u>No return</u>			
<u>Surface blow in 2 min built to 2 1/2" w.</u>			
<u>No return</u>			

Recovery — Total Feet <u>570'</u>	GIP _____	Ft. in DC <u>570'</u>	Ft. in DP _____
Rec. <u>570'</u>	Feet Of <u>Mud cut Water</u>	%gas _____ %oil _____	%water <u>85</u> %mud <u>15</u>
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>116°</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW <u>.34</u> @ <u>50°</u>	°F Chlorides <u>28,000</u>	ppm Recovery _____	Chlorides _____ ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>2461</u>	Alpine <u>43</u>	PSI Recorder No. <u>2346</u>	T-On Location <u>16:05 p.m.</u>
(B) First Initial Flow Pressure	<u>43</u>	PSI (depth) <u>4964'</u>	T-Started <u>21:10 p.m.</u>	
(C) First Final Flow Pressure	<u>188</u>	PSI Recorder No. <u>11058</u>	T-Open <u>01:00 A.M.</u>	<u>16:05</u>
(D) Initial Shut-In Pressure	<u>1534</u>	PSI (depth) <u>5027'</u>	T-Pulled <u>04:00 A.M.</u>	
(E) Second Initial Flow Pressure	<u>193</u>	PSI Recorder No. _____	T-Out <u>08:10 A.M.</u>	
(F) Second Final Flow Pressure	<u>305</u>	PSI (depth) _____	T-Off Location <u>09:05 A.M.</u>	
(G) Final Shut-in Pressure	<u>1533</u>	PSI Initial Opening <u>30</u>	Test X <u>850</u>	
(Q) Final Hydrostatic Mud	<u>2364</u>	PSI Initial Shut-in <u>60</u>	Jars X <u>200</u>	
		Final Flow <u>30</u>	Safety Joint X <u>50</u>	
		Final Shut-in <u>60</u>	Straddle _____	
			Circ. Sub X <u>N/C</u>	
			Sampler _____	
			Extra Packer _____	
			Elec. Rec. X <u>150</u>	
			Mileage <u>105 miles</u> <u>Jan 23</u>	
			Other <u>6 hrs</u> <u>180</u>	
			TOTAL PRICE \$ <u>1453</u>	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____

Our Representative Shawn M. Bul

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.

DATE 11/25/200

WELL NAME: Amigo #31

KB 2690.00 ft

TICKET NO: 13256

DST #2

LOCATION : 31-33s-32w Seward co KS

GR 2678.00 ft

FORMATION: Chester

INTERVAL : 6104.00 To 6168.00 ft

TD 6168.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	2350			PF Fr. 1226 to 1241 hr
SI 45 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1241 to 1326 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1326 to 1356 hr
FS 60 Depth(ft)	6165.0	6165.0	6110.0	0.0	0.0	FS Fr. 1356 to 1456 hr

	Field	1	2	3	4	
A. Init Hydro	3046.0	0.0	2808.0	0.0	0.0	T STARTED 0839 hr
B. First Flow	234.0	0.0	255.0	0.0	0.0	T ON BOTM 1223 hr
Bl. Final Flow	234.0	0.0	185.0	0.0	0.0	T OPEN 1226 hr
C. In Shut-in	1924.0	0.0	1847.0	0.0	0.0	T PULLED 1456 hr
D. Init Flow	85.0	0.0	33.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	85.0	0.0	60.0	0.0	0.0	
F. Fl Shut-in	1840.0	0.0	1776.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	3088.0	0.0	2772.0	0.0	0.0	Tool Wt. 2100.00 lb
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lb
						Wt Pulled Loose 125000.00 lbs
						Initial Str Wt 102000.00 "
						Unseated Str Wt 102000.00
						Bot Choke 0.75 i
						Hole Size 7.88 in
						D Col. ID 2.25 i
						D. Pipe ID 3.80 i
						D.C. Length 708.15 f
						D.P. Length 5418.85 f+

RECOVERY

Tot Fluid 125.00 ft of 125.00 ft in DC and 0.00 ft in DP
 2685.00 ft of Gas in pipe
 125.00 ft of Very slight mud cut gassy oil 4%gas 92%oil
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 22.00

BLOW DESCRIPTION

Initial Flow:

Weak blow slowly built to bottom of bucket in 7 minutes

Initial Shutin:

Bled down for 3 minutes, very slight surface blow back

Final Flow:

Strong blow built to bottom of bucket in 30 seconds

Final Shutin:

Bled down for 2 minutes built back to surface blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 l
Vis.	72.00 S/L
W.L.	6.80 in
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00
Btm. H. Temp.	132.00
Hole Condition	Fair
% Porosity	0.00
Packer Size	6.75 i
No. of Packers	2
Cushion Amt.	0.00 r
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Ron Nelson
Contr.	Cheyenne
Rig #	3
Unit #	none
Pump T.	none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Amigo #31

LOCATION : 31-33s-32w Seward co KS

TICKET No. 13256 D.S.T. No. 2 DATE 11/25/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL	62
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DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
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D.P. ANCHOR STND.Stands	Single 1	Total 30
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TOTAL ASSEMBLY 92

D.C. ABOVE TOOLS.Stands12	Single	Total 708.15
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D.P. ABOVE TOOLS.Stands87	Single	Total 5388.85
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TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6189

TOTAL DEPTH 6168

TOTAL DRILL PIPE ABOVE K.B. 21

REMARKS:

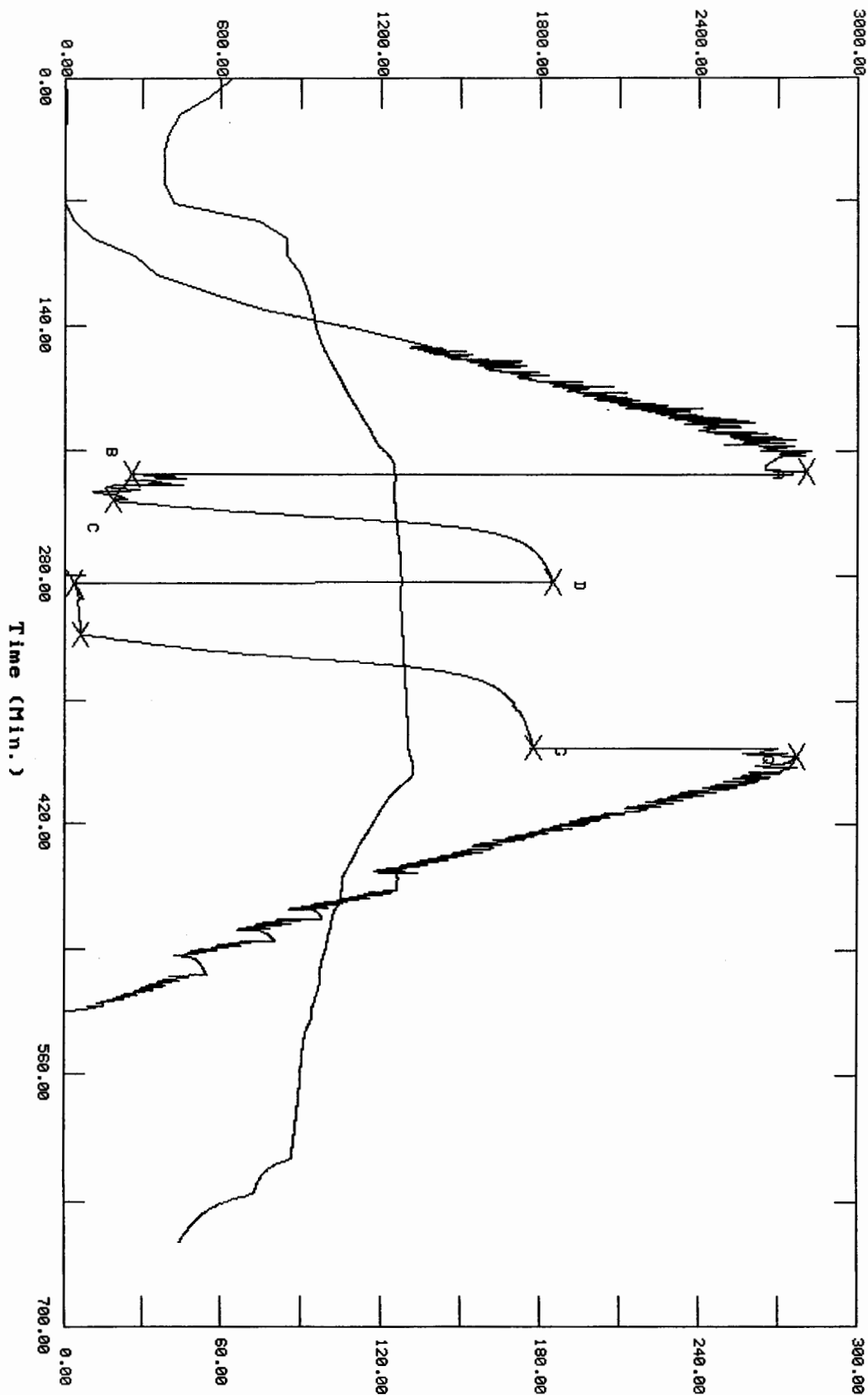
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TK#13256 DST#2 Amigo #31 American Warrior, Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSIg)

A: 0.00 2807.80
B: 0.00 255.47
C: 14.67 184.80
D: 45.67 1846.66
E: 0.00 33.14
F: 28.67 59.50
G: 63.00 1776.32
H: 0.00 2772.72

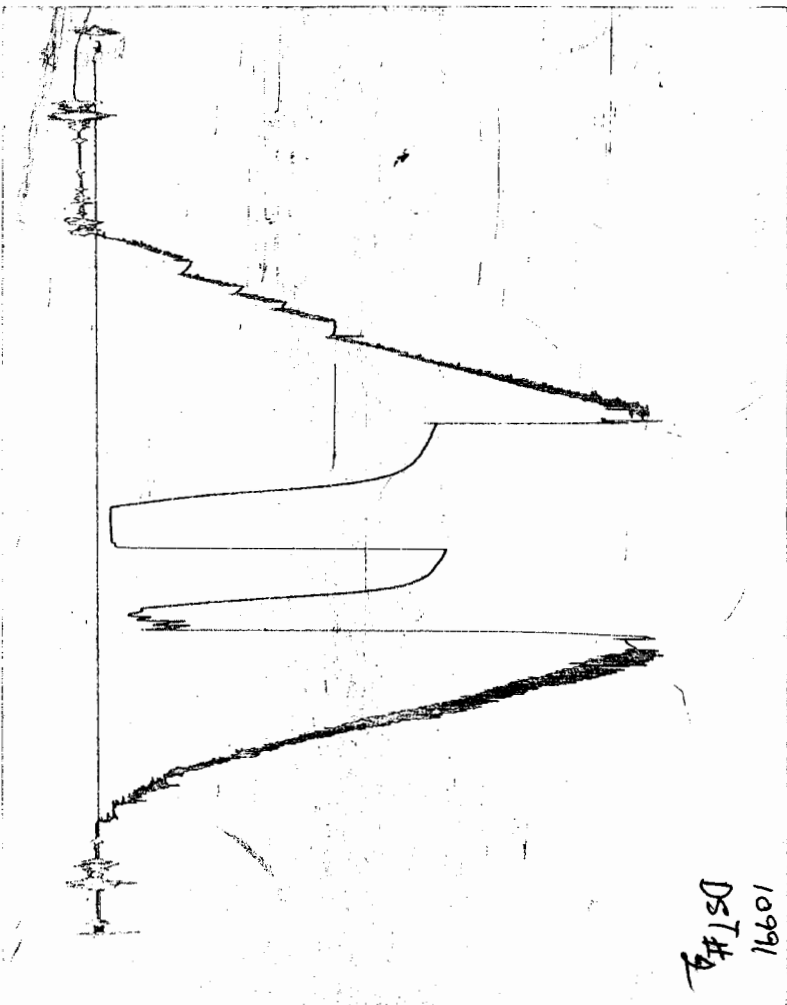


Temperature (DEG F)

Pressure (PSIg)

Time (Min.)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13256

Test Ticket

Well Name & No.	<u>Amigo #31</u>	Test No.	<u>#2</u>	Date	<u>11/25/00</u>
Company	<u>American Warrior, Inc.</u>	Zone Tested	<u>"Chester"</u>		
Address	<u>P.O. box 399 Garden City, Ks. 67845-0399</u>	Elevation	<u>2690</u>	KB	<u>2678</u> GL
Co. Rep / Geo.	<u>Ron Nelson</u>	Cont.	<u>Cheyenne</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>31</u>	Twp.	<u>33S</u>	Rge.	<u>32W</u> Co. <u>Seward</u> State <u>Ks</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>6104 - 6168'</u>	Initial Str Wt./Lbs.	<u>102,000</u>	Unseated Str Wt./Lbs.	<u> </u>
Anchor Length	<u>64'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>125,000</u>
Top Packer Depth	<u>6099'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>6104'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>6168'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>708.15</u>
Mud Wt.	<u>9.0</u> LCM <u>12#</u> Vis. <u>72</u> WL <u> </u>	Drill Pipe Size	<u>4 1/2 X 4</u>	Ft. Run	<u>5418.85</u>

Blow Description IF: Weak blow slowly built to bob in 7 1/2 mins
IST: Bled down for 3 mins very slight surface blow back
FF: Strong blow built to bob in 30 sec.
FSI: Bled down for 2 mins built back to surface blow back

Recovery — Total Feet	<u>125</u>	GIP	<u>2685'</u>	Ft. in DC	<u>125'</u>	Ft. in DP	<u> </u>
Rec.	<u>125'</u>	Feet Of	<u>VS MC60</u>	1 %gas	92 %oil	%water	4 %mud
Rec.	<u>2685'</u>	Feet Of	<u>Gas In Pipe</u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
BHT	<u>132°</u>	°F Gravity	<u>21</u>	°API D@	<u> </u>	°F Corrected Gravity	<u>22</u> °API
RW	<u> </u> @ <u> </u>	°F Chlorides	<u> </u>	ppm Recovery	<u> </u>	Chlorides	<u>400</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>3046</u>	<u>2808</u>	PSI Recorder No.	<u>2350</u>	T-On Location <u>0600</u>
(B) First Initial Flow Pressure	<u>234</u>	<u>255</u>	PSI (depth)	<u>6110'</u>	T-Started <u>0839</u>
(C) First Final Flow Pressure	<u>234</u>	<u>185</u>	PSI Recorder No.	<u>10991</u>	T-Open <u>1226</u> 12:3
(D) Initial Shut-In Pressure	<u>1924</u>	<u>1847</u>	PSI (depth)	<u>6165'</u>	T-Pulled <u>1456</u>
(E) Second Initial Flow Pressure	<u>85</u>	<u>33</u>	PSI Recorder No.	<u> </u>	T-Out <u>1830</u>
(F) Second Final Flow Pressure	<u>85</u>	<u>60</u>	PSI (depth)	<u> </u>	T-Off Location <u>1930</u>
(G) Final Shut-in Pressure	<u>1840</u>	<u>1776</u>	PSI Initial Opening	<u>15</u>	Test <u>✓ 950</u>
(Q) Final Hydrostatic Mud	<u>3088</u>	<u>2772</u>	PSI Initial Shut-in	<u>45</u>	Jars <u>✓ 200</u>
			Final Flow	<u>30</u>	Safety Joint <u>✓ 50</u>
			Final Shut-in	<u>60</u>	Straddle <u> </u>

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Approved By [Signature]
Our Representative Darren S. Amelino

Extra Packer
Elec. Rec. ✓ 150
Mileage 175 23
Other 1.5 45
TOTAL PRICE \$ 148